

programs the system in order to achieve continuing recursive evaluation of the conditions contained within said decisional rule.

21. A system including means for executing a decisional rule which performs a task upon the fulfillment of a condition, the system providing automatic and continuous iterative evaluations of whether the condition is fulfilled until the condition is fulfilled at least once and which resumes any further processing only after the condition is fulfilled once; and

means for automatically iteratively evaluating whether the condition of said decisional rule is fulfilled, thereby eliminating the need for manually providing additional decisional rules which force sequential evaluation in programming loops.

22. A method for automatically executing a manually entered decisional rule containing a task and a condition which must be fulfilled before the task can be performed and for automatically performing the task whenever the condition is fulfilled comprising:

automatically compiling said decisional rule to parse said condition;

automatically providing computer instructions which accomplish automatic and continuous iterative evaluations of whether said condition is fulfilled;

automatically performing said task whenever said condition is fulfilled; and

resuming further processing each time said condition is fulfilled.

23. A method for automatically executing a decisional rule containing a task and a condition which must be fulfilled before the task can be performed and for automatically performing the task whenever the condition is fulfilled comprising:

manually entering said decisional rule into computing means; said computing means automatically compiling said decisional rule to parse said condition, automatically providing instructions which accomplish automatic and continuous iterative evaluations of whether said condition is fulfilled, automatically performing said task whenever said condition is fulfilled and resuming further processing each time said condition is fulfilled.

24. A system for automatically evaluating a decisional rule containing a task and a condition which must be fulfilled before the task can be performed and automatically performing the task when the condition is fulfilled comprising:

computing means including compiler means and executor means responsive to said compiler means; and

means for manually entering said decisional rule into said computing means, said decisional rule containing a condition and a task to be performed when said condition is fulfilled;

wherein said compiler means includes parsing means for isolating said condition and further includes means for determining whether evaluations of said condition are to continue

after said condition is fulfilled once; and

wherein said executor means includes means for providing automatically and continuing iterative evaluations of whether said condition is fulfilled.

25. A method for automatically processing a series of WHEN/THEN statements including control commands which automatically halt further processing until a condition associates with each control command is fulfilled comprising:

manually entering a sequence of WHEN/THEN statements including one or more control commands each containing a condition into processing means;

wherein said processing means automatically processes each statement sequentially in said sequence, automatically halts processing of said statements upon the occurrence of one of said control commands, automatically and continuously provides iterative evaluation of whether said condition associated with said control command is fulfilled, and automatically resumes processing of the remainder of said statement in said sequence only upon the fulfillment of said condition associated with said control command.

REMARKS

The applicant appreciates the Examiner's thorough examination of the application and requests reexamination and reconsideration of the application in view of the preceding amendments and the following remarks.

The attached affidavit is in response to the Examiner's

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